

### Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

#### Listing of Claims:

1-16. (Cancelled)

17. (Currently Amended) A system comprising:

~~a bifurcated stent, the bifurcated stent having a stent body;~~

only a single catheter, the single catheter having only a single balloon[[;]], the single catheter being adapted for insertion into a body vessel and advancement to a vessel bifurcation site ~~along a primary guide wire, the single catheter having at least one stent retaining region for retaining the bifurcated stent in an unexpanded state thereon;~~

a bifurcation stent including a stent body having the bifurcated stent comprising a substantially tubular stent wall ~~having~~ defining a circumferential plane, and a plurality of movable members ~~moveably~~ engaged to the stent wall, the ~~bifurcated stent body~~ being expandable from an unexpanded condition to an expanded condition, ~~the bifurcated stent expanded by the expansion of the single balloon within the stent wall, in the unexpanded state condition the plurality of movable members being retained substantially within the circumferential plane of the stent wall[[;,]] and in the expanded state condition a portion of the plurality of movable members being extended radially outward from the stent wall to form a scaffold, the scaffold defining a side opening in the stent wall.~~

18. (Cancelled)

19. (Currently Amended) The system of claim 17 wherein the plurality of movable members are characterized as being self-expandable, balloon expandable or hybrid expandable.

20-38. (Canceled)

39. (Currently Amended) The system of claim 17 wherein at least a portion of the ~~bifurcated~~ bifurcation stent is constructed from a shape-memory material.

40. (Currently Amended) The system of claim 17 wherein at least a portion of the ~~bifurcated~~ bifurcation stent is constructed from a metal selected from the group consisting of stainless steel, nitinol, Elgiloy, shape-memory material, and any combination thereof.

41. (Currently Amended) The system of claim 17 wherein the single balloon comprises ~~[[a]]~~ an elongate body region and a bulge region protruding radially outward from the body region when expanded, in the unexpanded state the stent wall being disposed about the body region and the plurality of movable members positioned over the bulge region.

42. (Currently Amended) The system of claim 41 wherein when the balloon is expanded ~~to the expanded condition~~ the bulge region of the balloon extends the plurality of movable members radially outward from the stent wall to form the scaffold.

43. (Previously Presented) The system of claim 41 wherein the body region of the balloon has a thickness, the thickness of the body region being greater than the thickness of the bulge region.

44. (Previously Presented) The system of claim 41 wherein the body region of the balloon has a thickness, the thickness of the body region being less than the thickness of the bulge region.

45. (New) The system of claim 41, wherein the bulge region is positioned on an exterior surface of the body region between proximal and distal ends of the body region.

46. (New) The system of claim 17, wherein the movable members include a shape memory material, and expansion of the single balloon within the stent body activates the shape memory material to move the movable members into the radially outward extended position.

47. (New) A catheter system comprising:

a catheter having a balloon arrangement, the balloon arrangement including an elongate body portion and a bulge portion configured to protrude radially outward from the body portion when expanded;

a bifurcation stent including a stent body having a substantially tubular stent wall defining a circumferential plane, and a plurality of movable members engaged to the stent wall, the stent wall being expandable from an unexpanded condition to an expanded condition by expansion of the body portion of the balloon arrangement, and the movable members being expandable from an unexpanded position retained substantially within the circumferential plane and an expanded position extending radially outward from the stent wall by expansion of the bulge portion of the balloon arrangement.

48. (New) The system of claim 47 wherein when the body portion and the bulge portion expand simultaneously.
49. (New) The system of claim 47 wherein the body portion of the balloon has a thickness, the thickness of the body portion being greater than a thickness of the bulge portion.
50. (New) The system of claim 47 wherein the body portion of the balloon has a thickness, the thickness of the body portion being less than a thickness of the bulge portion.
51. (New) The system of claim 47 wherein when the body portion and the bulge portion are integrally formed as a single piece.
52. (New) The system of claim 47 wherein the bulge portion has a generally hemispherical structure when expanded.
53. (New) The system of claim 47, wherein the bulge portion is positioned on an exterior surface of the body portion between proximal and distal ends of the body portion.
54. (New) The system of claim 47, wherein the body portion of the balloon extends coaxially with the stent body.
55. (New) The system of claim 47, wherein the body portion of the balloon has a distal end that extends distally of a distal end of the stent body, and a proximal end that extends proximally of a proximal end of the stent body.
56. (New) The system of claim 47, wherein the bulge portion extends from a within the stent body to a position outside the stent body when expanded.

57. (New) A catheter system comprising:

a catheter having an balloon arrangement, the balloon arrangement including an elongate body portion;

a bifurcation stent including a stent body having a substantially tubular stent wall defining a circumferential plane, and a plurality of movable members engaged to the stent wall, the movable members configured as self expandable structures that move from an unexpanded position retained substantially within the circumferential plane and an expanded position extending radially outward from the stent wall when activated by expansion of the elongate body portion of the balloon arrangement.

58. (New) The catheter system of claim 57, wherein the movable members include a shape memory material.

59. (New) The catheter system of claim 57, wherein the balloon arrangement further includes a bulge portion configured to extend radially outward from the elongate body portion when inflated, the stent positioned relative to the elongate balloon to position the movable members in axial and radial alignment with the bulge portion.

60. (New) The catheter system of claim 57, wherein inflation of the bulge portion activates the movable members to move from the unexpanded position to the expanded position.

61. (New) A catheter system, comprising:

only a single catheter, the single catheter having only a single balloon, the single catheter being adapted for insertion into a body vessel and advancement to a vessel bifurcation site;

a bifurcation stent including a stent body having a substantially tubular stent wall defining a circumferential plane, and a plurality of movable members engaged to the stent wall and movable between an unexpanded position within the circumferential plane and an expanded position extending radially outward from the circumferential plane, the single balloon extending within the stent body from a distal end to a proximal end of the stent wall, the stent wall and the movable members being expandable by expansion of the single balloon.